

[54] RECORDING HEAD WITH CARRIER GENERATION AND TRANSPORT LAYERS ADJACENT A PHOTO-MODULATION LAYER FOR RECORDING INFORMATION INCLUDED IN AN ELECTRO-MAGNETIC RADIATION-BEAM APPLIED THERETO

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[57] ABSTRACT

A recording apparatus comprises first electrode, color-separation filter, recording, carrier generation, carrier transport, and second electrode layers which are laminated in order of mention. The recording layer and carrier generation layer may be separated at a given space. The recording layer comprises carrier retaining layer or a photo-modulation layer. Light image from an object is projected on the carrier generation layer through the first electrode, color-separation, and recording layers via an object lens enters the carrier generation layer. Carrier generated in the carrier generation layer in response to the light image are transported to the second electrode in response to application of a given voltage between the first and second electrodes. Discharge caused by application of the given voltage transfers a latent carrier image to the recording layer. The first electrode, color-separation filter and recording layers may be used for recording medium. The carrier generation, the carrier transport, and second electrode layers may be used as a recording head.

9 Claims, 4 Drawing Sheets

